

**DETAILED ACTION**

1. In response to the last Office Action dated on 06/25/2010, applicants amend the application as follow:

Claims amended: 1, 9.

Claims canceled: 2-3, 6-7, 10-11, 14-15, 18-19 and 22.

Claims withdrawn: 17, 20-21 and 23-24.

Claims pending: 1, 4-5, 8-9, 12-13, 16-17, 20-21 and 23-24.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Adam C. Underwood, Reg. No. 45,168 on 06/30/2010.

Please amend the application as follow:

1. (Currently Amended) A method of transforming user information and course information from a source database in an e-learning model to a target database in a learning management system, the method comprising:

converting the user and course information to a format compatible with the target database, the converted user and course information containing object identification information;

matching object identifiers with corresponding object identification information contained in the converted user and course information when [[if]] there is an existing directory containing object identifiers related to the object identification information contained in the converted user and course information and loading the converted user and course information into the target database; and,

storing unmatched object identifiers for manual handling, and,  
creating a file containing the unmatched object identifiers having a format similar to the converted user information and course information.

2. Cancelled.

3. Cancelled.

4. (Previously Presented) The method of claim 1, further comprising updating the source database to include the object identifiers contained in the existing directory if a match is found.

5. (Previously Presented) The method of claim 1, wherein the object identification information and the object identifiers relate to names of users of the learning management system.

6. (Cancelled).
7. (Cancelled).
8. (Previously Presented) The method of claim 1, further comprising [[if]] when more than one potential match is found, creating a file containing the potential matches and re-generating the matching process.
9. (Currently Amended) A computer-readable storage medium storing a computer program which when executed performs a method of transforming user information and course information from a source database in an e-learning model to a target database in a learning management system the method comprising:
  - converting the user and course information to a format compatible with the target database, the converted user and course information containing object identification information;
  - matching object identifiers with corresponding object identification information contained in the converted user and course information [[if]] when there is an existing directory containing object identifiers related to the object identification information contained in the converted user and course information, and loading the converted user and course information into the target database; and,
  - storing unmatched object identifiers for manual handling; and,

creating a file containing the unmatched object identifiers having a format similar to the converted user information and course information.

10. Cancelled.

11. Cancelled.

12. (Previously Presented) The computer-readable storage medium of claim 9, wherein the method performed by the stored computer program when executed further includes updating the source database to include the object identifiers contained in the existing directory [[if]] when a match is found.

13. (Previously Presented) The computer-readable storage medium of claim 9, wherein the object identification information and the object identifiers relate to names of users of the learning management system.

14. Cancelled.

15. Cancelled.

16. (Previously Presented) The computer-readable storage medium of claim 9, further comprising [[if]] when more than one potential match is found, creating a file containing the potential matches and re-generating the matching process.

17. (Currently Amended) A data transformation tool computer system for transforming user information and course information from a source database in an e-learning model to a target database in a learning management system, the tool computer system comprising:

a computer comprising memory and a processor; and,

storage medium containing a set of computer program instructions;

a data transformation utility, executing in the memory by [[a]] the processor of the computer a general purpose computing system, the data transformation utility comprising [[a]] the set of computer program instructions that when executed by the processor convert the user information and course information to a format compatible with the target database, the converted user information and course information containing object identification information;

a data matching utility, executing in memory by a processor of a general purpose computing system, the data matching utility comprising [[a]] the set of computer program instructions that when executed by the processor determine [[if]] when there is an existing directory containing object identifiers related to the object identification information contained in the converted user information and course information and to match the object identifiers with corresponding object identification information

contained in the converted user information and course information and to store unmatched object identifiers for manual handling; and,

a data loading utility , executing in memory by a processor of a general purpose computing system, the data matching utility comprising [[a]] the set of computer program instructions that when executed by the processor load the converted user information and course information into the target database and,

a file containing the unmatched object identifiers having a format similar to the converted user information and course information.

18. Cancelled.

19. Cancelled.

20. (Currently amended) The [[data transformation tool]] computer system of claim 17, wherein the data matching utility is further adapted to update the source database to include the object identifiers contained in the existing directory if a match is found.

21. (Currently amended) The [[data transformation tool]] computer system of claim 17, wherein the object identification information and the object identifiers relate to names of users of the learning management system.

22. Cancelled.

23. (Canceled)

24. (Currently amended) The [[data transformation tool]] computer system of claim 17, further comprising a file containing potential matches [[if]] when more than one potential match is found.

***Allowable Subject Matter***

3. Claims 1, 4-5, 8-9, 12-13, 16-17, 20-21 and 24 are allowed.

As to claims 1, 9 and 17, none of the cited reference alone or in combination either teach or suggest or suggest “matching object identifiers with corresponding object identification information contained in the converted user and course information when there is an existing directory containing object identifiers related to the object identification information contained in the converted user and course information, and loading the converted user and course information into the target database; and, storing unmatched object identifiers for manual handling: and,

creating a file containing the unmatched object identifiers having a format similar to the converted user information and course information."

Dependent claims 4-5, 8, 12-13, 16, 20-21 and 24 are depended on claims 1, 9 and 17, therefore, claims 4-5, 8, 12-13, 16, 20-21 and 24 are allowed.

***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041, or unofficial fax number for the purpose of discussion (571) 273-4041 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(571) 273-8300 [Official Communication]

/Baoquoc N To/

Primary Examiner, Art Unit 2162